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ONTACT OFFICIA	L: James Yellen, P.E		TELI	EPHONE: _	973-4	70-6793
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	Permit Requirement	PR 5.9	ω	Mg/l		
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(v2150. ***	Permit Requirement	1001517.67	7/	Mg/l		
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	RETREATMENT MONITORING	<u>KEFORT</u>	
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Explain Method for preserving samples: Sam	nples collected for TVOC and SGT-HE	M (Non-Polar Material) analyses were pres	served with HCl
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I certify under penalty of law that this	document and attachments were prep	pared under my direction or supervision	in accordance with
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PVSC FORM MR-I REV: 5 3/91 P2

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Automated Report



03/11/09



Technical Report for

Matrix New World Engineering, Inc.

City of Clifton, NJ

08-404E-3, FH6

Accutest Job Number: JA12386

Sampling Date: 02/18/09

Report to:

Matrix Environmental Technologies

jparry@matrixneworld.com

ATTN: John Parry

Total number of pages in report: 15





Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis VP Ops, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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New Jersey • 2235 Route 130 • Dayton, NJ 08810 • tel: 732-329-0200 • fax: 732-329-3499 • http://www.accutest.com



Note: This report is password protected to disallow document modification or assembly. To obtain a version that can be unlocked, contact your client service representative.



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3.2: JA12386-2: INF 0209	11
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Sample Summary

Matrix New World Engineering, Inc.

Job No:

JA12386

City of Clifton, NJ Project No: 08-404E-3, FH6

Sample Number	Collected Date Time By	Matrix Received Code Type	Client Sample ID
JA12386-1	02/18/09 15:00 JDP	02/18/09 AQ Effluent	EFF 0209
JA12386-2	02/18/09 14:55 JDP	02/18/09 AQ Influent	INF 0209





CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Matrix New World Engineering, Inc. Job No

JA12386

Site:

City of Clifton, NJ

Report Date

3/11/2009 10:52:03 AM

On 02/18/2009, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA12386 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method EPA 624

Matrix: AQ

Batch ID: VT5044

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA12478-9MS, JA12478-9MSD, JA12478-9MSDD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Acrolein are outside control limits.
- Matrix Spike Recovery(s) for Acrolein are outside control limits.
- VT5044-BS for Acrolein: High percent recoveries and no associated positive found in the QC batch.

Matrix: AQ

Batch ID: VT5046

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA12610-3MS, JA12610-3MSD, JA12610-3MSMSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Acrolein are outside control limits.
- Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. outside control limits due to acid preservation,
- RPD(s) for MSD for 2-Chloroethyl vinyl ether are outside control limits for sample JA12610-3MSD. outside control limits due to acid preservation,

Metals By Method EPA 200.7

Matrix: AQ

Batch ID: MP47283

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA12401-1MS, JA12401-1MSD, JA12401-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Copper, Nickel, Zinc are outside control limits for sample MP47283-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method EPA 245.1

Matrix: AQ

Batch ID: MP47278

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA11918-1MS, JA11918-1MSD were used as the QC samples for metals.

Wednesday, March 11, 2009

Page 1 of 2



Wet Chemistry By Method EPA 1664A

Matrix: AQ

Batch ID: GP48113

- All samples were prepared within the recommended method holding time.
- ** All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA12417-1MS, JA12476-1DUP were used as the QC samples for HEM Petroleum Hydrocarbons.

Wet Chemistry By Method SM20 5210B

Matrix: AQ

Batch ID: GP47959

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Marks for this batch meet method specific criteria.
- Sample(s) JA12386-1DUP were used as the QC samples for BOD, 5 Day.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Page 2 of 2



Wednesday, March 11, 2009



Section 3



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Report of Analysis



Report of Analysis

By

YCB

n/a

Page 1 of 2

VT5044

Client Sample ID: EFF 0209 Lab Sample ID: Matrix:

JA12386-1

AQ - Effluent **EPA 624**

Date Sampled: 02/18/09 Date Received: 02/18/09 Percent Solids: n/a

Method: Project:

City of Clifton, NJ

DF

1

Analyzed

02/25/09

Analytical Batch Prep Date Prep Batch

n/a

Run #1 Run #2

Purge Volume Run #1 5.0 ml

File ID

T130178.D

Run #2

VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.0	ug/l	
107-13-1	Acrylonitrile	ND	10	0.85	ug/l	
542-88-1	Bis(chloromethyl)ether	IND			ug/l	
71-43-2	Benzene	171	1.0	0.12	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.19	ug/l	
74-83-9	Bromomethane	ND	1.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.099	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.13	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	1.0	0.094	ug/l	
74-87-3	Chloromethane	ND	1.0	0.17	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.11	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.17	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.14	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.91	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.17	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.15	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.16	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	55	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
151-56-4	Ethylenimine	IND			ug/l	
75-09-2	Methylene chloride	ND	1.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.10	ug/l	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





Report of Analysis

Page 2 of 2

Client Sample ID: EFF 0209 Lab Sample ID:

Matrix: Method: JA12386-1 AQ - Effluent **EPA 624**

City of Clifton, NJ

Date Sampled: 02/18/09 Date Received: 02/18/09

Percent Solids: n/a

VOA TVO List

Project:

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	1.0	0.58	ug/l	
108-88-3	Toluene	0.44	1.0	0.20	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.15	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.44	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.16	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.15	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
17060-07-0	1,2-Dichloroethane-D4 (SUR)	101%		62-1	39%	
2037-26-5	Toluene-D8 (SUR)	100%		85-1	20%	
460-00-4	4-Bromofluorobenzene (SUR)	97%		74-1	18%	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Report of Analysis

Page 1 of 1

Client Sample ID: EFF 0209 Lab Sample ID:

JA12386-1

Date Sampled: 02/18/09

Matrix:

AQ - Effluent

Date Received: 02/18/09

Percent Solids: n/a

Project:

City of Clifton, NJ

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Cadmium	< 3.0	3.0	ug/l	1	02/20/09	02/20/09 JF	EPA 200.7 ¹	EPA 200.7 ⁵
Copper	< 10	10	ug/l	1	02/20/09	02/23/09 JF	EPA 200.7 ²	EPA 200.7 ⁵
Lead	< 3.0	3.0	ug/l	1	02/20/09	02/20/09 JF	EPA 200.7 ¹	EPA 200.7 ⁵
Mercury	< 0.20	0.20	ug/l	1	03/05/09	03/05/09 JW	EPA 245.1 ³	EPA 245.1 ⁴
Nickel	< 10	10	ug/l	1	02/20/09	02/20/09 JF	EPA 200.7 ¹	EPA 200.7 ⁵
Zinc	59.8	20	ug/l	1	02/20/09	02/20/09 JF	EPA 200.7 ¹	EPA 200.7 ⁵

(1) Instrument QC Batch: MA22179 (2) Instrument QC Batch: MA22185 (3) Instrument QC Batch: MA22232 (4) Prep QC Batch: MP47278 (5) Prep QC Batch: MP47283

RL = Reporting Limit



Report of Analysis

Ву

YCB

Page 1 of 2

Client Sample ID: INF 0209 Lab Sample ID: Matrix:

JA12386-2 AQ - Influent Date Sampled: Date Received:

n/a

02/18/09 02/18/09

Method:

EPA 624

Percent Solids: n/a

Project:

City of Clifton, NJ

DF

1

Analyzed

02/26/09

Prep Date

Prep Batch Analytical Batch n/a VT5046

Run #1 Run #2

Purge Volume

File ID

T130226.D

Run #1 5.0 ml

Run #2

VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.0	ug/l	
107-13-1	Acrylonitrile	ND	10	0.85	ug/l	
542-88-1	Bis(chloromethyl)ether	IND			ug/l	
71-43-2	Benzene	121	1.0	0.12	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.19	ug/l	
74-83-9	Bromomethane	ND	1.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.099	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.13	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	1.0	0.094	ug/l	
74-87-3	Chloromethane	ND	1.0	0.17	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.11	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.17	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.14	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.91	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.17	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.15	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.16	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	55	ug/l	
100-41-4	Ethylbenzene	110	1.0	0.23	ug/l	
151-56-4	Ethylenimine	IND			ug/l	
75-09-2	Methylene chloride	ND	1.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.10	ug/l	

ND = Not detected

MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range



Report of Analysis

Page 2 of 2

Client Sample ID: INF 0209 Lab Sample ID: Matrix:

JA12386-2 AQ - Influent Date Sampled: 02/18/09 Date Received: 02/18/09

Method: Project:

EPA 624 City of Clifton, NJ

Percent Solids: n/a

VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	1.0	0.58	ug/l	
108-88-3	Toluene	38.7	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.15	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.44	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.16	ug/l	
1330-20-7	Xylenes (total)	386	1.0	0.15	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
17060-07-0	1,2-Dichloroethane-D4 (SUR)	105%		62-1	39%	
2037-26-5	Toluene-D8 (SUR)	105%		85-1	20%	
460-00-4	4-Bromofluorobenzene (SUR)	98%		74-1	18%	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





Section 4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

• Chain of Custody





Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA123		12386 Client:					Immediate Client Services Action Required:					
Date / Time Received: 2/18/20		2009 Delivery Method:		od:	Client Service Action	gin: No						
Project:				No. Cod	olers:		1 Airbill #'s:	****				
Cooler Security	Y	or N			Y or	N_	Sample Integrity - Documentation	Y or N				
Custody Seals Present: Custody Seals Intact:	Z Z		COC Preser Smpl Dates/Tin		V		Sample labels present on bottles: Container labeling complete:	2				
Cooler Temperature		Y or	<u>N</u> _				3. Sample container label / COC agree:	2]			
 Temp criteria achieved: Cooler temp verification: Cooler media: 		Ice (d gun (bag)				Sample Integrity - Condition 1. Sample recyd within HT: 2. All containers accounted for:	Y or N v	_			
Quality Control Preserv		Y or					3. Condition of sample:	Intact				
Trip Blank present / cool Trip Blank listed on COC		Ø					Sample Integrity - Instructions 1. Analysis requested is clear.	<u>Y or N</u> ☑	_			
3. Samples preserved prop	erly:	☑					2. Bottles received for unspecified tests		3			
4. VOCs headspace free:							Sufficient volume recvd for analysis: Compositing instructions clear: Filtering instructions clear.		3			
Comments												
Accutest Laboratories V:732.329.0200							Highway 130 .329.3499	,	Dayton, New Jersey www/accutest.com			

JA12386: Chain of Custody

Page 2 of 2



	chain of custody							PAGE _/_ OF(
Laboratories	2235 Route 130, Dayton, NJ 0881 TEL 732-329-0200 FAX: 732-329-345					2-329-349) 9/3480					FED-EX		•	<u>ر ر</u>			Order Co	entrol #		Aı	2386
Client / Reporting Information	11 M.	19 . q	Project		ccutest.co	<u>m</u>	erigi.					1	Regi	iested	Analys	is (se	TEST	CODE	sheet)			Matrix Codes
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20 Gyle Rolf Au Stelo	Van b	fusten	4me Stale	Billing I	nformation Name	n (if differ	ent fro	m Repo	rt to)			1			7	•						SW - Surface Water SO - Soil SL- Studge SED-Sediment
GOT Henrices NUT 07934	Decided #	-404E-	5 N2	Street Ac	dress			-	_				,		3							O1 - Oil LICI - Other Liquid AIR - Air
973 210 1800	Client Purchase	Order #		City	3	, / } t	A4.	de		Zip		1664	he9		12							SOL - Other Solid WP - Wipe FB-Field Blank EB-Equipment Blank
mpler(s) Name(s) SRC Phone #	Project Manager	1 Bar	Collection	Altention				Number	of preser	ved Bolt	lies	١,			3	.						RB- Rinse Bank TB-Trip Blank
Viet Field ID / Point of Collection	MEOH/OI Vial #	Date	Time	Sampled by	Matrix	# of bottles	NaOr HG	*NO3	,[]	DI Water	#	浑	tvo	Rod	3							LAB USE ONLY
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Std. 10 Business Days (by Contract only)					Commerci	iai "B" (Le Level 3+4	vel 2)		\equiv		P Cate											
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JA12386: Chain of Custody Page 1 of 2

> 14 of 15 ACCUTEST:

AWG1e FROM:

FAX NO. :

Mar. 20 2009 11:29AM P9

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	PRE	<u> PREATMENT MONIT</u>	ORING REPOR		American Street, and the state of the street, and the street,	Burney Control of the
NAMR:	City of C		MAR 2	0 2009		
MAILING ADDRESS:	900 Clifton Av					
FACILITY LOCATION	J. Firchouse N	lo. 6, 1202 Van Houten S	treet		The second section is the second	and the second of the second o
				.BT #:	001	
CATEGORY & SUBPA			TELE			0-6793
CONTACT OFFICIAL	: James Yellen,	P.E.	TELE	PHONE:		
NEW CUSTOMER ID	/ OUTLET ID: 03630002	-1OLD OUTLE	T DESIGNATIO	N:		
			Average		Maximum	
MONITOR	ING PERIOD Bnd		_			
Start		Regulated Flow-gal/de			1,153	
02 01 2009	02 28 2009	Total Flow-gal/	day 1,133			
MO DAY YR	MO DAY YR		• • • • • • • • • • • • • • • • • • • •			
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		900 gallons in 32 workin	$\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$	u/day	-/-	
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Cd.	Permit Requirement	0.19		Mg/l		Comp
Cu	Sample Measurement	₹ 0.010	/ < 0.010	Mg/l	1	
	Permit Requirement	3.02	< 0.003	Mg/l Mg/l	1	Comp
· Pb	Sample Measurement	0.003	- y.m.s	Mg/l		
	Permit Requirement	< 0.002	< 0.002	Mg/l	1	Comp
Hg	Sample Measurement Permit Requirement	0.080		Mg/l		
Ni	Sample Measurement	₹0.010	< 0.010	Mg/l	1	Comp
INI	Permit Requirement	5.9		Mg/l		
Zn	Sample Measurement	0.0598	0.0598	Mg/l		Comp
-	Permit Requirement	1.67		Mg/1	1 1	Grab
SGT-HEM	Sample Measurement	₹5.2	< 5.2	Mg/l Mg/l		
	Permit Requirement	100 0.1714	0.1714	Mg/l	1	Cirab
TVOC	Sample Measurement	V.1714	0.1714			
700	Permit Requirement Sample Measurement	9.6	6.6	Mg/l	}	Comp
BOD	Permit Requirement					
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PVSC FORM MR-I REV: 4 6/87 P I

	FAX NO. :	Mar. 20 2009 11:29AM P10
•	PRETREATMENT MONITORING REPORT	
		MAR 2 0 2009
rtification of Non-Use if applica	ble (use additional sheets): N/A	
THICANGE OF HOUSE OF THE MANAGEMENT		· Wettern A. D. D. Hill Co.
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**	oment with compliance schedule (use additional sheets if nec	essary) for every
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rameter used:	The City of Clifton is in compliance with the	ne PVSC permit limitations.
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		E LOUIS A MARKETON
plain Method for preserving sam	ples: Samples collected for TVOC and SGT-HEM (Non-I	Polar Material) analyses were preserved with Hea
	ected for metals analyses were preserved with HNO and chil	lled to 4" C. The BOD sample was
nd chilled to 4°C. Samples coll	ected for increas analyses were preserved with involvatio offi	
hilled to 4° C.		en e
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person or persons who manage to the best of my knowledge a information, including the poss	at qualified personnel properly gather and evaluate the in the system, or those persons directly responsible for gather and belief, true, accurate and complete. I am aware that sibility of fine and imprisonment for knowing violations. FR 40610, October 17, 1988	ering the intollibrion, the minimarian aminima
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	Executive or Authorized Agent	
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	Project Supervisor/ N-2 Operator	inger over the control of the contro
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PVSC FORM MR-I REV: 5 3/91 P2

FROM :

FAX NO. :

Mar. 20 2009 11:30AM P12

Accutest LabLink@491198 12:08 11-Mar-2009

Report of Analysis

Page 1 of 2

Client Sample ID: EFF 0209

Lab Sample ID: JA12386-1 Date Sampled: 02/18/09

Matrix: AQ - Effluent Date Received: 02/18/09

Method: EPA 624 Percent Solids: n/a

Project: City of Clifton, NJ

File ID DF Analyzed By Prep Date Prep Batch Analytical Batch
Run #1 T130178.D 1 02/25/09 YCB n/a n/a VT5044
Run #2

Purge Volume Run #1 5.0 ml Run #2

VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.0	ug/1	
107-13-1	Acrylonitrile	ND	10	0.85	ug/l	
542-88-1	Bis(chloromethyl)ether	IND	4.		ug/l	
71-43-2	Benzene	171	1.0	0.12	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.19	ug/l	
74-83-9	Bromomethane	ND T	1.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.099	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.13	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	NБ	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	∯ 1.0	0.094	ng/l	
74-87-3	Chloromethane	ND	1.0	0.17	ug/i	
124-48-1	Dibromochloromethane	ND	1.0	0.11	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.17	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.14	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	. 1.0	0.18	ug/I	
106-46-7	1,4-Dichlorobenzene	ND	_{i,} ⊭ 1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1:2.0	0.91	ug/1	
75-34-3	1,1-Dichloroethane	ND	1.0	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1.1-Dichloroethene	ND	1.0	0.17	ug/l	
156-5 9 -2	cis-1,2-Dichloroethene	ND	1.0	0.15	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	. 1.0	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND"	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropenc	ND	1.0	0.16	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	55	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ng/l	
151-56-4	Ethylenimine	IND			ug/l	
75-09-2	Methylene chloride	ND	1.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethanc	ND	1.0	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



7 of 15

FROM:

FAX NO. :

Mar. 20 2009 11:30AM P13

Accutest LabLink@491198 12:08 11-Mar-2009

Report of Analysis

Page 2 of 2

Client Sample ID: EFF 0209

Lab Sample ID: JA12386-1

Matrix: AQ - Effluent

Method: EPA 624

Project: City of Clifton, NJ



CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	ND	1.0	0.58	ug/l	
108-88-3	Toluene	0.44	1.0	0.20	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.11	ug/I	
79-00-5	1.1.2-Trichloroethane	ND	1.0	0.15	ug/l	
79-01-6	Trichloroethene	ND	√ 1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.44	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.16	ug/I	
1330-20-7	Xylenes (total)	ND 1	1.0	0.15	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	2 Limits		
17060-07-0	1,2-Dichloroethane-D4 (SUR)	101%	· r		139%	
2037-26-5	Toluene-D8 (SUR)	100%	·		120%	
460-00-4	4-Bromofluorobenzene (SUR)	97%		74-	118%	



RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

FROM":"

FAX NO. :

Mar. 20 2009 11:30AM P14

Accutest LabLink@491198 12:08 11-Mar-2009

Report of Analysis

Page 1 of 1

Client Sample ID: Lab Sample ID: EFF 0209 JA12386-1

AQ - Effluent

Date Sampled: 02/18/09
Date Received: 02/18/09
Percent Solids: n/a

Project:

Matrix:

City of Clifton, NJ

Metals Analysis

Analyte	Result	RL	Units	DF	Ртер	Analyzed By	Method	Prep Method
Cadmium Copper Lead Mercury Nickel Zinc	<3.0 <10 <3.0 <0.20 <10 59.8	10 3.0 0.20	ug/l ug/l ug/l ug/l ug/l ug/l	1 1 1 1 1	02/20/09 02/20/09 02/20/09 03/05/09 02/20/09 02/20/09	02/23/09 JF 02/20/09 JF 03/05/09 JW 02/20/09 JF	EPA 200.7 1 EPA 200.7 2 EPA 200.7 1 EPA 245.1 3 EPA 200.7 1 EPA 200.7 1	EPA 200.7 ⁵ EPA 200.7 ⁵ EPA 200.7 ⁵ EPA 245.1 ⁴ EPA 200.7 ⁵ EPA 200.7 ⁵

(1) Instrument QC Batch: MA22179

(2) Instrument QC Batch: MA22185

(3) Instrument QC Batch: MA22232

(4) Prep QC Batch: MP47278

(5) Prep QC Batch: MP47283